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Winter 1987/88

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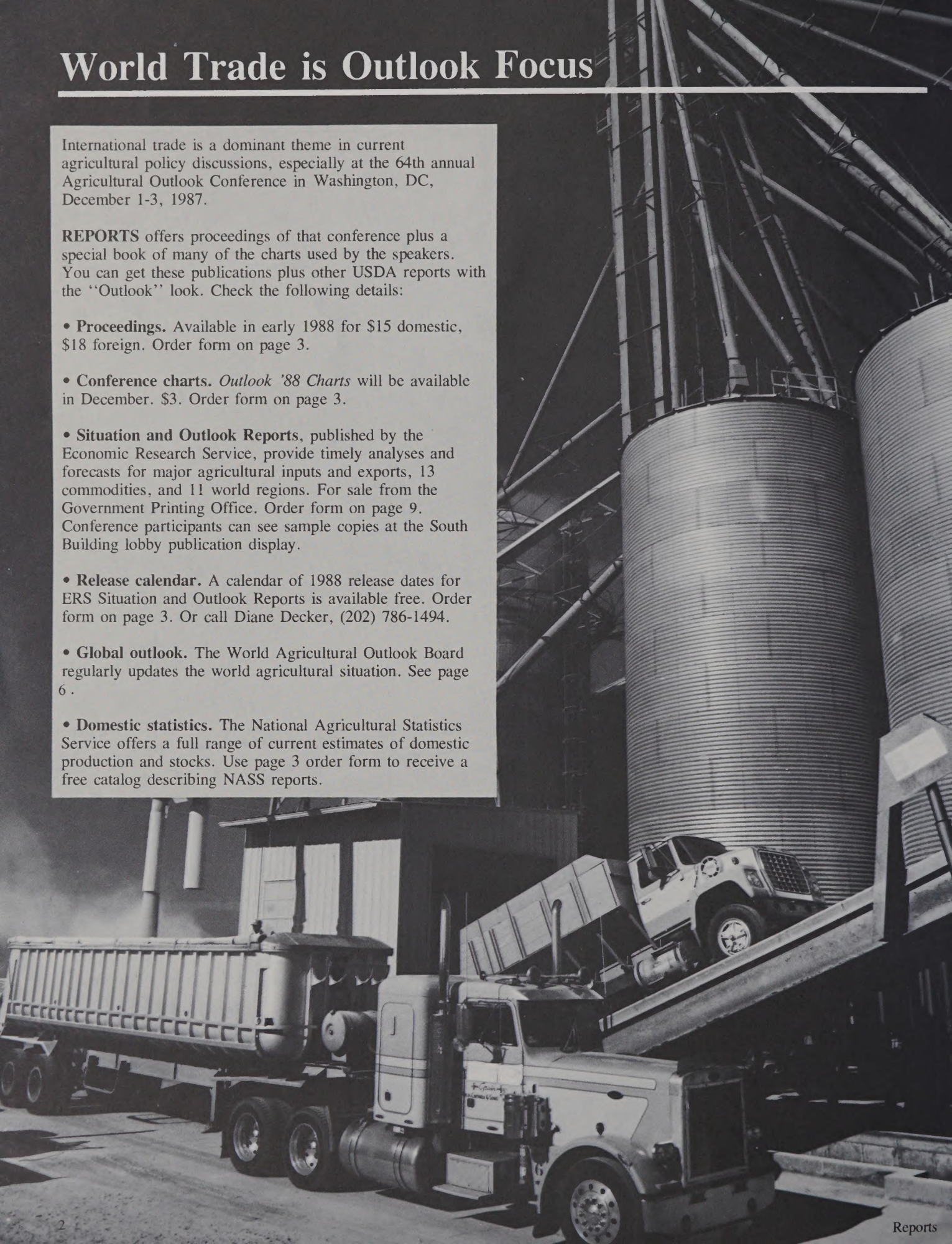
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Financial Performance of Specialized Corn Farms

Mary Ahearn
Robert Dubman
Gregory Hanson
AIB-529. SN: 001-019-00541-6.

Specialized corn farms, which in 1985 planted 50 percent of their available land in corn, have been the fastest growing type of farm in the United States since 1970. This report provides information on the financial performance of these farms in 1985. It compares the financial performance of specialized corn farms with that of other types of farms, including diversified farms, and with the performance of the farm sector as a whole. The report also provides information on the financial performance of specialized corn farms in 1984 and 1983. The report is based on data from the 1985 Farm Income and Expenses Survey, which is the largest source of information on the financial performance of farms in the United States. The report is available in hard copy for \$1.00 and in microfiche for \$0.50. Order SN: 001-019-00541-6.

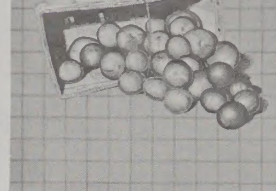
Financial Performance of Specialized Dairy Farms

Mary Ahearn
Robert Dubman
Gregory Hanson
AIB-519. SN: 001-019-00537-8.

Specialized dairy farms, which in 1985 produced 50 percent of their total milk production, have been the fastest growing type of farm in the United States since 1970. This report provides information on the financial performance of these farms in 1985. It compares the financial performance of specialized dairy farms with that of other types of farms, including diversified farms, and with the performance of the farm sector as a whole. The report also provides information on the financial performance of specialized dairy farms in 1984 and 1983. The report is based on data from the 1985 Farm Income and Expenses Survey, which is the largest source of information on the financial performance of farms in the United States. The report is available in hard copy for \$1.00 and in microfiche for \$0.50. Order SN: 001-019-00537-8.

Quality Demand and Policy Implications for Florida Green Tomatoes

Theresa Sun
TB-1728. August 1987. 32 pp. \$1.75. Order SN: 001-019-00529-7 from GPO.



Potential Loan Losses of Farmers and Lenders

Gregory Hanson
AIB-530. September 1987. 12 pp. \$1.00. Order SN: 001-019-00551-3 from GPO.

This report provides information on the potential loan losses of farmers and lenders in 1985. It compares the potential loan losses of farmers with that of lenders, and with the potential loan losses of the farm sector as a whole. The report also provides information on the potential loan losses of farmers and lenders in 1984 and 1983. The report is based on data from the 1985 Farm Income and Expenses Survey, which is the largest source of information on the financial performance of farms in the United States. The report is available in hard copy for \$1.00 and in microfiche for \$0.50. Order SN: 001-019-00551-3 from GPO.

Financial Performance of Specialized Wheat Farms

Mary Ahearn
Robert Dubman
Gregory Hanson
AIB-528. SN: 001-019-00542-4.

Specialized wheat farms, which in 1985 planted 50 percent of their available land in wheat, have been the fastest growing type of farm in the United States since 1970. This report provides information on the financial performance of these farms in 1985. It compares the financial performance of specialized wheat farms with that of other types of farms, including diversified farms, and with the performance of the farm sector as a whole. The report also provides information on the financial performance of specialized wheat farms in 1984 and 1983. The report is based on data from the 1985 Farm Income and Expenses Survey, which is the largest source of information on the financial performance of farms in the United States. The report is available in hard copy for \$1.00 and in microfiche for \$0.50. Order SN: 001-019-00542-4.

Financial Performance of Specialized Dairy Farms

Mary Ahearn, Robert Dubman, and Gregory Hanson. 16 pages each. \$1.00 each.

Specialized corn and dairy farms fared better and specialized wheat farms fared worse than other specialized crop farms in 1985. These bulletins measure the financial performance of farms by type of commodity production. Such measures include returns to assets, cost/returns ratio, and debt/asset ratio.

Quality Demand and Policy Implications for Florida Green Tomatoes

Consumers often do not rank tomatoes according to the 16 combinations of grade and size specified by Federal marketing orders. Consumers perceive little difference, for example, between No. 2 and No. 3 grade small-size tomatoes.

Potential Loan Losses of Farmers and Lenders

By the end of 1987, 75 percent of the farm debt crisis will have been worked through the system because 70 to 80 percent of all agricultural lender loan losses will probably have been taken. This report identifies the number of commercial-size farms that could default on farm loans, amount of debt at risk and potential lender loss, and proportion of stressed farms and their potential loan losses.

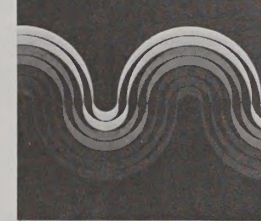
Financial Performance of Specialized Wheat Farms

Mary Ahearn
Robert Dubman
Gregory Hanson
AIB-528. SN: 001-019-00542-4.



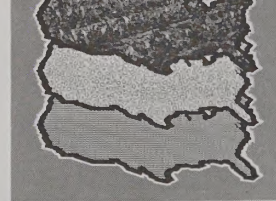
Regional Crop Yield Response for U.S. Grains

Mark S. Ash
William Lin
AER-577. September 1987. 52 pp. \$2.50. Order SN: 001-019-00544-1 from GPO.



The Magnitude and Costs of Groundwater Contamination from Agricultural Chemicals

A National Perspective
Elizabeth G. Nielsen
Linda K. Lee
AER-576. October 1987. 42 pp. \$2.50. Order SN: 001-019-00527-1.



The Magnitude and Costs of Groundwater Contamination from Agricultural Chemicals: A National Perspective, by Elizabeth G. Nielsen and Linda K. Lee. AER-576. October 1987. 42 pp. \$2.50. Order SN: 001-019-00527-1.

State-Level Feed Grain Statistics, 1949-86

James A. Langley
Leticia M. Womack
SB-757. October 1987. \$8.50. Order SN: 001-019-00546-7 from GPO.



State-Level Data for Feed Grains, 1949-86, by James A. Langley and Leticia M. Womack. SB-757. October 1987. \$8.50. Order SN: 001-019-00546-7 from GPO.

A Forecast Evaluation of Capital Investment in Agriculture

Roger Conway
James Hrubovcak
Michael LeBlanc
TB-1732. August 1987. 32 pp. \$1.75. Order SN: 001-019-00545-9 from GPO.

New model for forecasting investment in agricultural machinery suggests continued declines in net investment for farm machinery, particularly by 1990.

Regional Crop Yield Response for U.S. Grains

Mark S. Ash and William Lin. AER-577. September 1987. 52 pp. \$2.50. Order SN: 001-019-00544-1 from GPO.

Yields will probably continue upward through 1990 barring unusual weather conditions. Examines how the acreage reduction programs affect crop yields, what determines yields, and how to project crop yields.

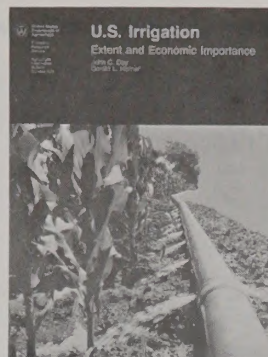
Agricultural pesticides and fertilizers contaminate groundwater in some parts of the United States. This report assesses the scope and costs of groundwater contamination from agricultural fertilizers and pesticides, identifies regions potentially affected by such contamination, and estimates the number of people who rely on groundwater for their drinking water.

State-level statistics for corn, grain sorghum, oats, and barley for each of the 48 contiguous States for 1949-85, including area planted and harvested, yield per harvested acre, quantity produced, quantity used on the farm, quantity sold, season average price received by farmers, and values of production and sales.



A New Dynamic Economic Model of Groundwater Mining, by C. S. Kim, John J. Hanchar, and Michael R. Moore. TB-1734. 40 pp. \$2.00. Order SN: 001-019-00548-3 from GPO.

Texas High Plains farmers will likely allocate groundwater relatively more to cotton and less to sorghum, according to a new technique of analysis to broaden the conventional evaluation of groundwater mining by irrigated agriculture.



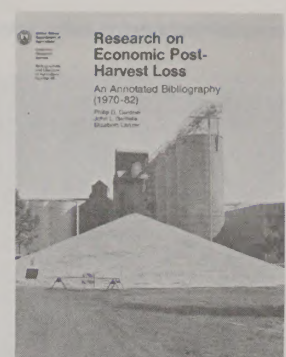
U.S. Irrigation: Extent and Economic Importance, by John C. Day and Gerald L. Horner. AIB-523. September 1987. 32 pp. \$1.50. Order SN: 001-019-00492-4 from GPO.

Describes some of the principal features of the irrigated sector in U.S. agriculture, using data for 1974, 1978, 1982, and 1984. About 13 percent of U.S. cropland was irrigated in 1982, contributing almost 32 percent of the total value of crops produced.



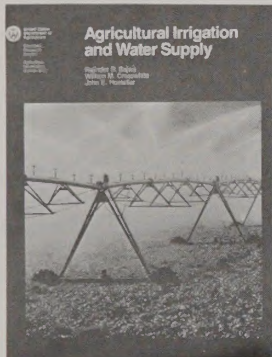
Pooling Data for Pest Management Analysis: A Stein-rule Approach, by Philip I. Szmedra, Michael E. Wetzstein, and James W. Todd. TB-1730. August 1987. 20 pp. \$1.25. Order SN: 001-019-00543-2 from GPO.

Proposes a method to enrich prospective integrated pest management data sets by pooling sample data originating from different designs.



Research on Economic Post-Harvest Loss: An Annotated Bibliography (1970-82), by Philip D. Gardner. BLA-56. October 1987. \$3.50. Order SN: 001-019-00514-9 from GPO.

Focuses on economic analyses and data for appraising many types of food product losses. Contains annotated references on general literature plus those on specific commodities.



Agricultural Irrigation and Water Supply, by Rajinder S. Bajwa, William M. Crosswhite, and John E. Hostetler. AIB-532. October 1987. 116 pp. \$5.00. Order SN: 001-019-00552-1 from GPO.

Compiles data on the distribution, characteristics, uses, and management of water resources from a wide variety of data sources. Includes information on the climatic and physiographic influence on irrigation development; farm data comparing selected characteristics of irrigated and nonirrigated farms; and data on sources of water, pump energy expenses, values of irrigated and nonirrigated land, and cash rents.

Limited bST Effect Seen for U.S. Dairy Industry Trends

Cows produce more milk at less cost when injected with bovine Somatotropin (bST), a protein occurring naturally in cattle. Advances in biotechnology now make it possible to produce synthetic bST at commercially attractive prices. Dairy farmers are likely to use synthetic bST since early adopters will realize significantly higher returns and other operators will eventually have to adopt to compete. But the effects of bST on the dairy industry are likely to be less dramatic than often suggested. Since bST will be available to all operators and little additional capital or operational changes are required, bST use should reinforce, but not fundamentally change, structural trends already underway. One such trend is toward fewer but larger dairy farms. Savings in production costs will eventually be offset by the declines in milk prices generated by larger supplies, if Government support programs allow prices to drop enough to balance production and commercial use. Hence, the effects of bST will largely depend on the flexibility of the price support program. An inflexible program with high supports could mean large Government outlays and accumulating surpluses.

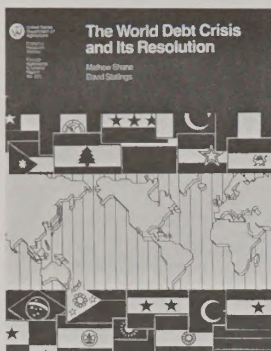
The full report, *bST and the Dairy Industry: A National, Regional, and Farm-level Analysis*, AER-579, presents these and other results of a study analyzing the likely effects on overall milk supplies, milk prices, milk production costs and returns, location and structure of production, the dairy price support program, and the U.S. competitive position in world dairy markets. For your copy, use the GPO order form.

A 16-page summary is also available free from ERS. Check the *bST and the Dairy Industry* box on the coupon on page 3.



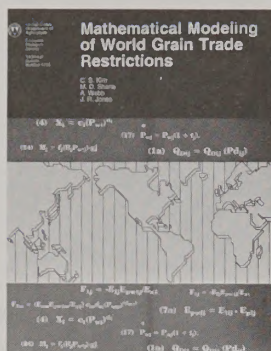
Irrigated Acres: A Profile Comparison of 1976-80 and 1981-85, by John Hanchar, Kris Barney, Clifford Dickason, and William Crosswhite. TB-1736. October 1987. 28 pp. \$1.50. Order SN: 001-019-00560-2.

U.S. farmers irrigated about the same average number of acres during 1981-85 as in 1976-80, despite the drop in commodity prices and the rise in production costs. Average irrigated acreage declined in heavily irrigated Arizona, Oklahoma, and Texas.



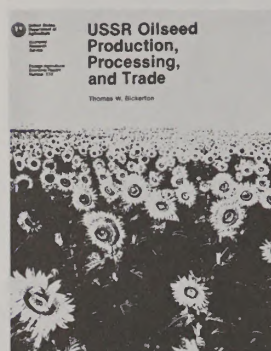
The World Debt Crisis and Its Resolution, by Mathew Shane and David Stallings. FAER-231. August 1987. 48 pp. \$2.25. Order SN: 001-019-00540-8 from GPO.

Looks at 79 developing countries and suggests ways to reduce their debt and improve the global economy. Forgiving some of the indebtedness of developing countries in order to stimulate trade is one approach.



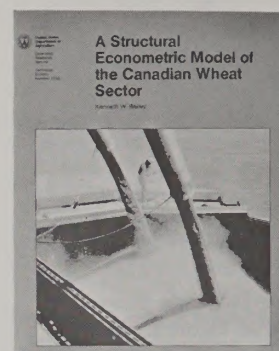
Mathematical Modeling of World Grain Trade Restrictions, by C. S. Kim, M. D. Shane, A. Webb, and J. R. Jones. TB-1735. October 1987. 16 pp. \$1.00. Order SN: 001-019-00553-0 from GPO.

Develops a mathematical model of trade as a means for developing explicit functions for measuring the effects of trade restrictions. Uses the model to derive the effects on U.S. exports of government intervention in the trade sector, such as imposing import quota, trade embargo, import tariff, exchange rate change, or price intervention.



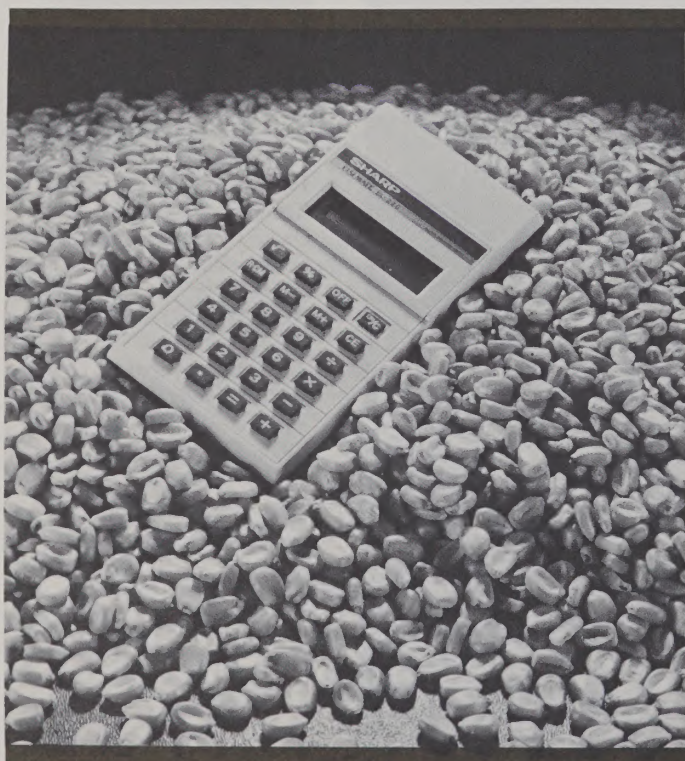
USSR Oilseed Production, Processing, and Trade, by Thomas W. Bickerton. FAER-232. 76 pp. \$3.75. Order SN: 001-019-00528-9 from GPO.

If the Soviet Union is to significantly improve livestock productivity and raise per capita vegetable oil consumption, it will have to continue to import large quantities of oilseeds and oilseed products. Report examines the USSR's domestic oilseed production, processing industry, and Soviet oilseed trade behavior.



A Structural Econometric Model of the Canadian Wheat Sector, by Kenneth Bailey. TB-1733. October 1987. 68 pp. \$3.25. Order SN: 001-019-00539-4 from GPO.

Presents a model incorporating the effect of beginning wheat stocks on producer price expectations and predicts Canadian Wheat Board behavior in setting various prices.



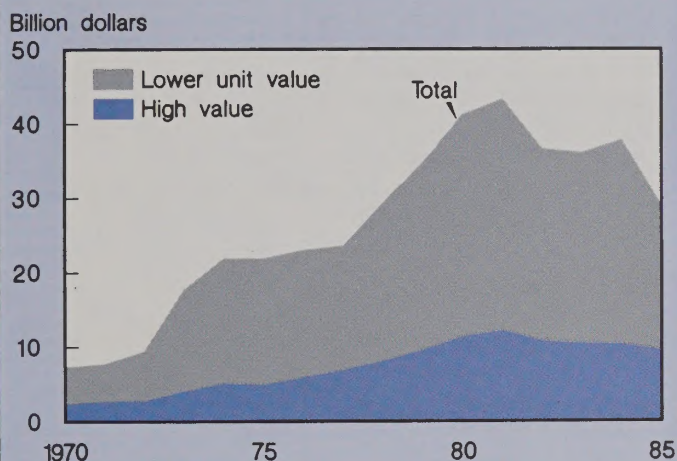
World Agricultural Supply and Demand Estimates Reports

Issued by the World Agricultural Outlook Board, *World Agricultural Supply and Demand Estimates* provide the most current USDA information on global supply-use balances of the major grains, oilseeds and products, and the livestock complex. The report is published monthly following release of U.S. and world crop production reports, and four additional times after release of quarterly grain stocks reports. To subscribe, use the GPO order form.

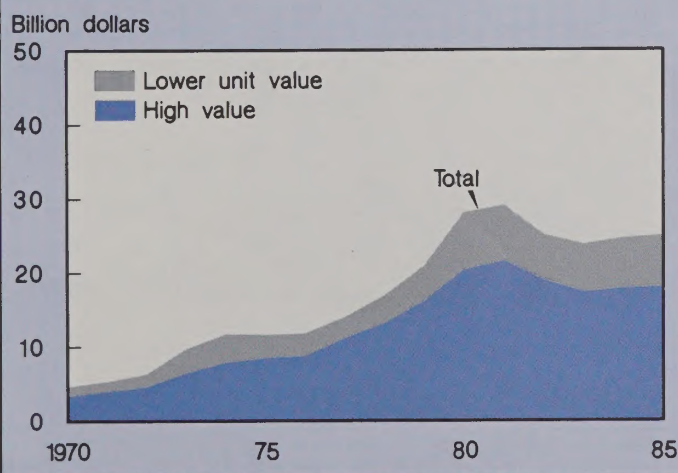
A Comparison of Agriculture in the United States and the European Community, by Mark Newman, Tom Fulton, and Lewrene Glaser. FAER-233. October 1987. 72 pp. Order SN: \$3.25. 001-019-00550-5 from GPO.

The 12-member EC passed the United States as the world's largest agricultural exporter in 1986, according to this comparison of U.S.-EC agriculture, including trade and domestic farm policies. EC-12 agricultural exports for 1986 were valued at more than \$28 billion, compared with \$26 billion in U.S. agricultural exports. EC agriculture involves more people than U.S. agriculture and a larger share of total civilian employment. EC agriculture also contributes a larger share of gross domestic product (GDP) than in the United States, but the U.S. per capita contribution to GDP of those employed in agriculture is larger.

U.S. high-value and total agricultural exports

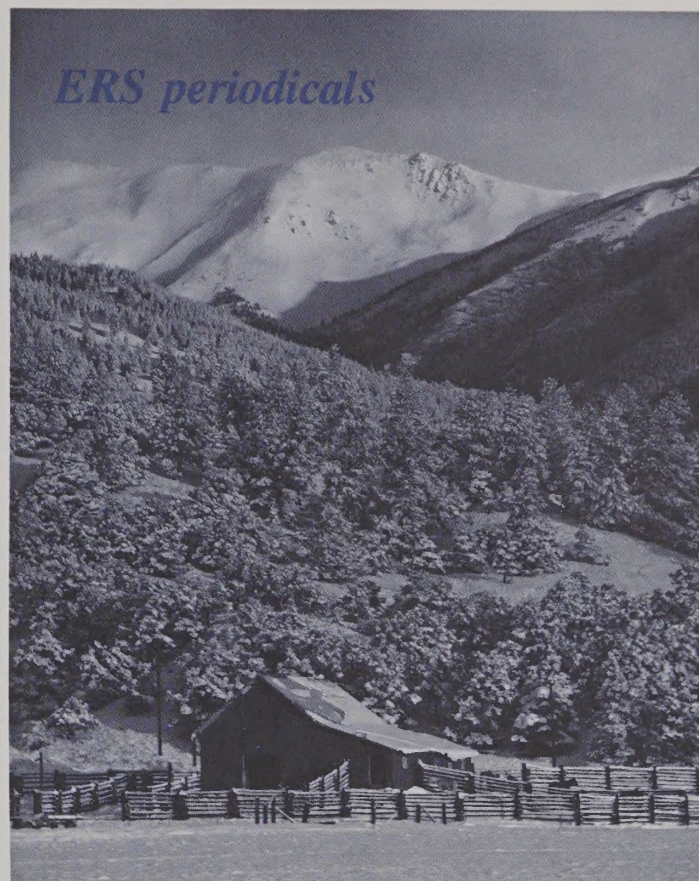


EC high-value and total agricultural exports



Based on a chart from *A Comparison of Agriculture in the United States and the European Community*, by Mark Newman, Tom Fulton, and Lewrene Glaser.

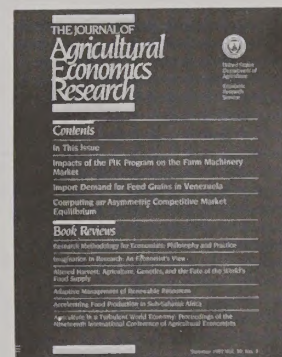
Winter 1987/88



Foreign Agricultural Trade of the United States. 6 issues per year; averages 124 pages per issue. Subscription \$21.00 domestic; \$26.25 foreign.

FATUS reports the quantity and value of farm exports and imports, plus price trends. Two annual supplements provide over 500 pages of calendar and fiscal year data.

To order these two periodicals, use coupon on page 8.



The Journal of Agricultural Economics Research. Quarterly journal; averages 52 pages per issue. Subscription \$5.00 domestic; \$6.25 foreign.

The latest in technical research in agricultural economics, including econometric models and statistics focusing on methods employed and results of USDA economic research. Includes book reviews of current research in agricultural economics.

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Agricultural Policy

The Food Security Act of 1985: Major Provisions Affecting Commodities. AIB-497. January 1986. 28 pp. \$1.00. SN: 001-019-00446-1.
Polymaking for U.S. Commodity Programs: A Case Study of the Coarse Grains Sector. FAER-219. May 1986. 32 pp. \$1.75. SN: 001-019-00439-8.
Assessment of a Marketing Order Prorate Suspension: A Study of California/Arizona Navel Oranges. AER-557. June 1986. 44 pp. \$2.25. SN: 001-019-00470-3.
Price Responsiveness of World Grain Markets: The Influence of Government Intervention on Import Price Elasticity. TB-1720. June 1986. 32 pp. \$1.75. SN: 001-019-00466-5.
An Economic Analysis of USDA Erosion Control Programs: A New Perspective. AER-560. August 1986. 80 pp. \$3.75. SN: 001-019-00448-7.
How Well Can Alternative Policies Reduce Rural Substandard Housing? RDRR-64. November 1986. 12 pp. \$1.00. SN: 001-019-00485-1.
Embargoes, Surplus Disposal, and U.S. Agriculture. AER-564. February 1987. 548 pp. \$22.00. SN: 001-019-00500-9.
Government Intervention in Agriculture: Measurement, Evaluation, and Implications for Trade Negotiations. FAER-229. February 1987. 60 pp. \$2.75. SN: 001-019-00520-3.
Agricultural Parity: Historical Review and Alternative Calculations. AER-571. June 1987. 88 pp. \$4.00. SN: 001-019-00521-1.
How the Food Security Act of 1985 Affects Consumers. AIB-527. July 1987. 12 pp. \$1.00. SN: 001-019-00536-0.

Commodities

A Quarterly Forecasting Model for U.S. Agriculture: Subsector Models for Corn, Wheat, Soybeans, Cattle, Hogs, and Poultry. TB-1700. May 1985. 52 pp. \$2.00. SN: 001-019-00390-1.
Cost of Retail Beef-Handling Systems: A Modeling Approach. TB-1704. June 1985. 64 pp. \$2.25. SN: 001-019-00404-5.
A Quarterly Model of the Livestock Industry. TB-1711. December 1985. 40 pp. \$1.50. SN: 001-019-00414-2.
Economies of Size in Hog Production. TB-1712. December 1985. 100 pp. \$3.50. SN: 001-019-00417-7.
U.S. Demand for Food: A Complete System of Price and Income Effects. TB-1714. December 1985. 60 pp. \$2.00. SN: 001-019-00439-9.
A Quarterly Model of the U.S. Dairy Sector and Some of Its Policy Implications. TB-1717. April 1986. 40 pp. \$2.00. SN: 001-019-00447-9.
Florida and Mexico Competition for the Winter Fresh Vegetable Market. AER-556. June 1986. 112 pp. \$5.00. SN: 001-019-00474-6.
U.S. Rice Distribution Patterns, 1984/85. SB-748. November 1986. 32 pp. \$1.75. SN: 001-019-00481-9.
Poultry and Egg Statistics, 1960-85. SB-747. December 1986. 92 pp. \$4.25. SN: 001-019-00495-9.
Cost of Producing Milk, 1975-84. AER-569. February 1987. 44 pp. \$2.00. SN: 001-019-00507-6.
The U.S. Cotton Industry. AER-567. May 1987. 180 pp. \$3.75. SN: 001-019-00501-7.

Fresh Fruit and Vegetables: Prices and Spreads in Selected Markets, 1975-84. SB-752. June 1987. 200 pp. \$9.50. SN: 001-019-00522-0.
Financial Performance of Specialized Dairy Farms. AIB-519. July 1987. 16 pp. \$1.00. SN: 001-019-00537-8.
The U.S. Oats Industry. AER-573. August 1987. 116 pp. \$5.00. SN: 001-019-00526-2.
World Feed Grain Trade 1962-85: Barley, Corn, Rye, Oats, and Other Cereals. SB-755. July 1987. 152 pp. \$7.00. SN: 001-019-00534-3.

Consumer and Food

U.S. Demand for Food: Household Expenditures, Demographics, and Projections. TB-1713. February 1986. 60 pp. \$2.25. SN: 001-019-00436-3.
Specialty Grocery Wholesaling: Structure and Performance. AER-547. March 1986. 24 pp. \$1.00. SN: 001-019-00435-5.
Food Marketing Review, 1986. AER-565. February 1987. 92 pp. \$4.25. SN: 001-019-00503-3.
Measuring the Size of the U.S. Food and Fiber System. March 1987. 20 pp. \$1.25. SN: 001-019-00502-5.
Food Cost Review, 1986. AER-574. July 1987. 50 pp. \$2.75. SN: 001-019-00535-1.
Developing An Integrated Information System for the Food Sector. AER-575. August 1987. 88 pp. \$4.00. SN: 001-019-00524-6.
U.S. Supermarkets: Characteristics and Services. AIB-502. November 1986. 32 pp. \$1.75. SN: 001-019-00489-4.
Food Consumption, Prices, and Expenditures, 1985. SB-749. January 1987. 128 pp. \$5.50. SN: 001-019-00499-1.
Food Spending in American Households, 1982-84. SB-753. July 1987. 208 pp. \$9.50. SN: 001-019-00531-9.

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The Journal of Agricultural Economics Research	\$ 5.00	\$ 6.25
Foreign Agricultural Trade of the United States	\$21.00	\$26.25

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Differing Effects of Farm Commodity Programs on Land Returns and Farmland Values. AER-544. November 1985. 8 pp. \$1.00. SN: 001-019-00420-7.
Farm Real Estate: Historical Series Data, 1950-85. SB-738. December 1985. 56 pp. \$2.00. SN: 001-019-00434-7.
The U.S. Farm Sector in the Mid-1980's. AER-548. May 1986. 52 pp. \$2.50. SN: 001-019-00441-0.
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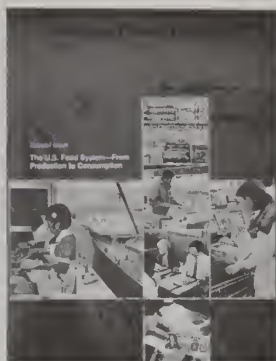
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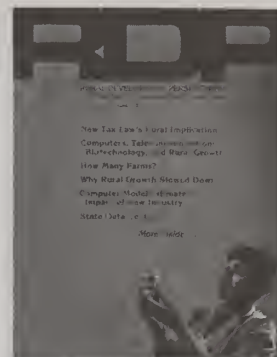
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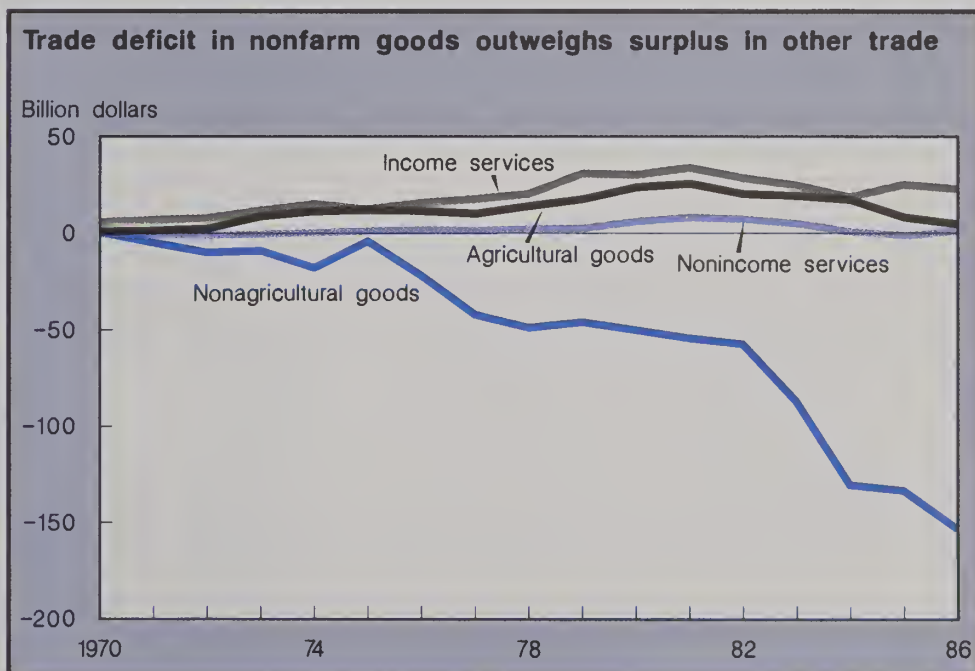


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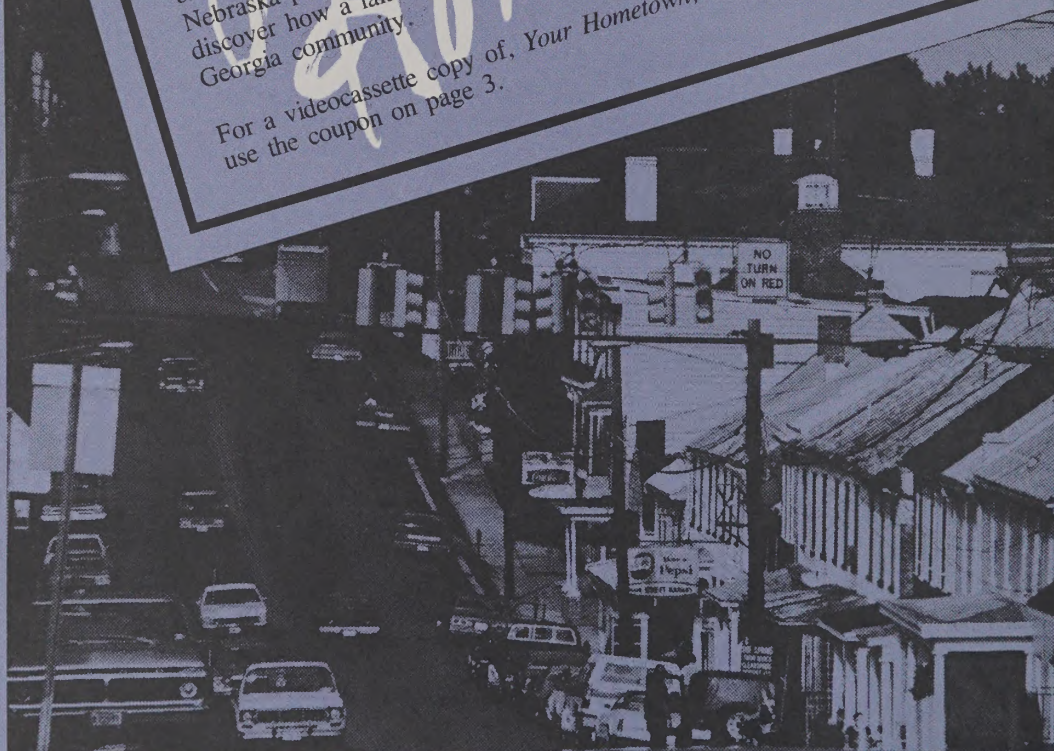
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